

Serial Number: 101005,169

CRF Processing Date: 12/12/01  
 Edited by: DC  
 Verified by: DC (STIC sta

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/005,169

DATE: 12/17/2001

TIME: 13:21:34

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\12172001\J005169.raw

```

4 <110> APPLICANT: Guenther, Catherine
5     Allen, Keith D.
7 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING NOR1 GENE
8     DISRUPTIONS
10 <130> FILE REFERENCE: R-687
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/005,169
C--> 12 <141> CURRENT FILING DATE: 2001-12-04
12 <150> PRIOR APPLICATION NUMBER: US 60/251,794
13 <151> PRIOR FILING DATE: 2000-12-06
15 <150> PRIOR APPLICATION NUMBER: US 60/324,614
16 <151> PRIOR FILING DATE: 2001-09-24
18 <160> NUMBER OF SEQ ID NOS: 6
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 1884
24 <212> TYPE: DNA
25 <213> ORGANISM: Mus musculus
27 <400> SEQUENCE: 1
28 atgccctgcg tgcaagccca gtatagccct tcacctccgg ggtccactta cgccacgcag 60
29 acttatggct cggaatacac cacagaaatc atgaaccccg actacaccaa gctgaccatg 120
30 gacctcggtg gcacggggat catggccacc gccactacat ccctgcccag cttcagtacc 180
31 ttcattggagg gctaccccag cagctgcgaa ctcaagccct cctgcctgta ccaaattgccg 240
32 ccttctgggc ctgggctttt gatcaagatg gaagaggggc gcgagcatgg ctaccaccac 300
33 caccatcacc atcaccatca tcaccaccac caccagcaac agcagccgtc cattcctcct 360
34 cctccgggcc cggaggacga ggtactgccc agcacctcca tgtacttcaa gcagtctccg 420
35 ccgtctacac cgaccactcc aggcttcccc ccgcaggcgg gggcgctgtg ggacgacgag 480
36 ctgcccctcg cgccctggctg catcgctccg ggaccgctgc tggaccgcga gatgaaggcg 540
37 gtacccccca tggccgctgc tgcgcgcttc ccgatcttct tcaagccctc accgccacac 600
38 cctcccgccg ccagtccagc cggcgcccac caccctcggt atgacccac ggccgacgct 660
39 gcactcagtc tgcccctggg agccgcggcc gcagcaggca gccaaagctg tcgctcagag 720
40 ggccacccat acgggctccc gctggccaa aggacggcca cgctgacctt ccctccgctg 780
41 ggccctcacg cctccccac cgcgctccag ctgctgggag agagccccag cctcccatcg 840
42 ccaccaata ggagctcatc atctggggaa ggcacatgtg ccgtgtgcgg cgacaacgct 900
43 gcctgccagc actacggagt ccgcacctgc gagggctgca agggcttctt caagagaacg 960
44 gtgcagaaaa atgcaaaata tgtttgcctg gcaataaaaa actgcccagt ggacaagaga 1020
45 cgccgaaacc gatgtcagta ctgcagattt cagaagtgtc tcagtgtcgg gatggttaag 1080
46 gaagtgtgtg gtacagacag tctgaaaagg aggagagggt gtctgccttc caaacaaaag 1140
47 agcccactac aacaggagcc ctgcagccc tccccgccat ctctccgat ctgtatgatg 1200
48 aatgcccttg tccgagcttt aacagatgca acaccagag atcttgatta ttccagatac 1260
49 tgtccaccg accaggccac tgcaggcaca gatgctgagc acgtgcaaca gttctacaac 1320
50 cttctgacgg cctccattga cgtgtccaga agctgggcag aaaagatccc aggattcact 1380
51 gatctcccca aagaagatca gacgttactt atagaatcag cttttttgga gctgtttgtt 1440
52 cttagacttt ccatcaggct aaacactgct gaagataagt ttgtgttctg caatggactt 1500
53 gtctctgcatc gacttcagtg ccttcgagga ttgtgggagt ggctcgactc cattaagac 1560
54 ttttctttaa acttgacagag cctgaacctt gatatacaag ccttagcctg cctgtcagca 1620
55 ctgagtatga tcacagagcg acatgggtta aaagaaccaa agagagtgga ggagctatgc 1680
56 accaagatca caagcagctt aaaggaccac cagaggaagg gacaggctct ggagccctcg 1740

```

## RAW SEQUENCE LISTING

DATE: 12/17/2001

PATENT APPLICATION: US/10/005,169

TIME: 13:21:34

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\12172001\J005169.raw

```

57 gagcctaagg tcctgcgcgc gctggtagaa ctgagaaaga tctgtaccca gggcctccag 1800
58 cgcattcttct acctgaagct agaggacttg gtacctccac cttctgtcat cgacaagctc 1860
59 ttccttgaca cctgccttt ctga 1884
61 <210> SEQ ID NO: 2
62 <211> LENGTH: 627
63 <212> TYPE: PRT
64 <213> ORGANISM: Mus musculus
66 <400> SEQUENCE: 2
67 Met Pro Cys Val Gln Ala Gln Tyr Ser Pro Ser Pro Pro Gly Ser Thr
68 1 5 10 15
69 Tyr Ala Thr Gln Thr Tyr Gly Ser Glu Tyr Thr Thr Glu Ile Met Asn
70 20 25 30
71 Pro Asp Tyr Thr Lys Leu Thr Met Asp Leu Gly Ser Thr Gly Ile Met
72 35 40 45
73 Ala Thr Ala Thr Thr Ser Leu Pro Ser Phe Ser Thr Phe Met Glu Gly
74 50 55 60
75 Tyr Pro Ser Ser Cys Glu Leu Lys Pro Ser Cys Leu Tyr Gln Met Pro
76 65 70 75 80
77 Pro Ser Gly Pro Arg Pro Leu Ile Lys Met Glu Glu Gly Arg Glu His
78 85 90 95
79 Gly Tyr His His His His His His His His His His His Gln
80 100 105 110
81 Gln Gln Gln Pro Ser Ile Pro Pro Pro Ser Gly Pro Glu Asp Glu Val
82 115 120 125
83 Leu Pro Ser Thr Ser Met Tyr Phe Lys Gln Ser Pro Pro Ser Thr Pro
84 130 135 140
85 Thr Thr Pro Gly Phe Pro Pro Gln Ala Gly Ala Leu Trp Asp Asp Glu
86 145 150 155 160
87 Leu Pro Ser Ala Pro Gly Cys Ile Ala Pro Gly Pro Leu Leu Asp Pro
88 165 170 175
89 Gln Met Lys Ala Val Pro Pro Met Ala Ala Ala Ala Arg Phe Pro Ile
90 180 185 190
91 Phe Phe Lys Pro Ser Pro Pro His Pro Pro Ala Pro Ser Pro Ala Gly
92 195 200 205
93 Gly His His Leu Gly Tyr Asp Pro Thr Ala Ala Ala Ala Leu Ser Leu
94 210 215 220
95 Pro Leu Gly Ala Ala Ala Ala Gly Ser Gln Ala Ala Ala Leu Glu
96 225 230 235 240
97 Gly His Pro Tyr Gly Leu Pro Leu Ala Lys Arg Thr Ala Thr Leu Thr
98 245 250 255
99 Phe Pro Pro Leu Gly Leu Thr Ala Ser Pro Thr Ala Ser Ser Leu Leu
100 260 265 270
101 Gly Glu Ser Pro Ser Leu Pro Ser Pro Pro Asn Arg Ser Ser Ser Ser
102 275 280 285
103 Gly Glu Gly Thr Cys Ala Val Cys Gly Asp Asn Ala Ala Cys Gln His
104 290 295 300
105 Tyr Gly Val Arg Thr Cys Glu Gly Cys Lys Gly Phe Phe Lys Arg Thr
106 305 310 315 320
107 Val Gln Lys Asn Ala Lys Tyr Val Cys Leu Ala Asn Lys Asn Cys Pro

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/005,169

DATE: 12/17/2001

TIME: 13:21:34

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\12172001\J005169.raw

```

108          325          330          335
109 Val Asp Lys Arg Arg Arg Asn Arg Cys Gln Tyr Cys Arg Phe Gln Lys
110          340          345          350
111 Cys Leu Ser Val Gly Met Val Lys Glu Val Val Arg Thr Asp Ser Leu
112          355          360          365
113 Lys Gly Arg Arg Gly Arg Leu Pro Ser Lys Pro Lys Ser Pro Leu Gln
114          370          375          380
115 Gln Glu Pro Ser Gln Pro Ser Pro Pro Ser Pro Pro Ile Cys Met Met
116 385          390          395          400
117 Asn Ala Leu Val Arg Ala Leu Thr Asp Ala Thr Pro Arg Asp Leu Asp
118          405          410          415
119 Tyr Ser Arg Tyr Cys Pro Thr Asp Gln Ala Thr Ala Gly Thr Asp Ala
120          420          425          430
121 Glu His Val Gln Gln Phe Tyr Asn Leu Leu Thr Ala Ser Ile Asp Val
122          435          440          445
123 Ser Arg Ser Trp Ala Glu Lys Ile Pro Gly Phe Thr Asp Leu Pro Lys
124          450          455          460
125 Glu Asp Gln Thr Leu Leu Ile Glu Ser Ala Phe Leu Glu Leu Phe Val
126 465          470          475          480
127 Leu Arg Leu Ser Ile Arg Ser Asn Thr Ala Glu Asp Lys Phe Val Phe
128          485          490          495
129 Cys Asn Gly Leu Val Leu His Arg Leu Gln Cys Leu Arg Gly Phe Gly
130          500          505          510
131 Glu Trp Leu Asp Ser Ile Lys Asp Phe Ser Leu Asn Leu Gln Ser Leu
132          515          520          525
133 Asn Leu Asp Ile Gln Ala Leu Ala Cys Leu Ser Ala Leu Ser Met Ile
134          530          535          540
135 Thr Glu Arg His Gly Leu Lys Glu Pro Lys Arg Val Glu Glu Leu Cys
136 545          550          555          560
137 Thr Lys Ile Thr Ser Ser Leu Lys Asp His Gln Arg Lys Gly Gln Ala
138          565          570          575
139 Leu Glu Pro Ser Glu Pro Lys Val Leu Arg Ala Leu Val Glu Leu Arg
140          580          585          590
141 Lys Ile Cys Thr Gln Gly Leu Gln Arg Ile Phe Tyr Leu Lys Leu Glu
142          595          600          605
143 Asp Leu Val Pro Pro Pro Ser Val Ile Asp Lys Leu Phe Leu Asp Thr
144          610          615          620
145 Leu Pro Phe
146 625

```

149 &lt;210&gt; SEQ ID NO: 3

150 &lt;211&gt; LENGTH: 4400

151 &lt;212&gt; TYPE: DNA

152 &lt;213&gt; ORGANISM: ratus norvegicus

154 &lt;400&gt; SEQUENCE: 3

```

155 ccgagtctcc tgcctcccg cccccacccc tccagcgcc tgcctctctc cgctcccat 60
156 acacagacac gtcacaccc gtccttcac ttgcacacac agacacacgc gcgctcacac 120
157 gctccgcaca cacactccac tctctcccg gcgctcacac cctctctct cggcgccctc 180
158 gccggtgtcg cgccgcgcc cgccgcagcc ggacgcccct ccagggtca ctttgcaacg 240
159 ctgacagagc gggcagtggc cgtggaggtg ggaaacgtgg cgacatcta gcccttggtc 300

```

## RAW SEQUENCE LISTING

DATE: 12/17/2001

PATENT APPLICATION: US/10/005,169

TIME: 13:21:34

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\12172001\J005169.raw

```

160 gcagccggag actggacgct gcggaacctc tcggcggcgc tctcccatga gttgggatcg 360
161 cagcatcccc agccagccgc tgctcaccgc ctctgggagc cgctgggttt gtgcaccgca 420
162 gcccttcgga gacagcagct gtgactctcc cccaatccag atttcggggg cgctctctag 480
163 aaactcgctc taaagacgga acctccacag aacccaaagc cactgcggg agagcgagc 540
164 ccgacaagcc cgggcgctga gcctggaccc tcaacagagc gggccagcac agcggcggcg 600
165 gctgcttcgc ctatcccagc gtccccgcct cctacactct cagcctccgc tggagagacc 660
166 cccagcccca ccattcagcg cgcaagatac cctccagata tgcctgcgt gcaagcccaa 720
167 tatagccctt cgcctccggg gtccacttat gccacgcaga cttatggctc ggaatacacc 780
168 acagaaatca tgaaccccga ctatgccaa gctgacctgg acctcggtag cacggggatc 840
169 atggccacgg ccacgacgtc cctgcccagc ttcatgacct tcatggaggg ctaccccagc 900
170 agctgcgaac tcaagccctc ctgctgtac caaatgccgc cttctggggc tcggcctttg 960
171 atcaagatgg aagagggtcg cgagcatggc taccaccacc accaccacca tcaccatcat 1020
172 catcaccacc accaccagca gcagcagccg tccattcctc ctccctctgg ccccgaggac 1080
173 gaggtactgc ccagcacctc catgtacttc aagcagtctc cgccgtctac gccgaccact 1140
174 ccaggcttcc ccccgagggc gggggcgctg tgggacgacg agctgccctc tgcgctggc 1200
175 tgcacgctc cgggaccgct gctggaccgg cagatgaagg cagtgcctcc aatggccgct 1260
176 gctgcgcgct tcccgatctt cttcaagccc tcaccgccac accctccgc gccagccca 1320
177 gccggcgccc accacctggg ctatgacccc acggccgcag ctgcgctcag tctacccctg 1380
178 ggagcccgcg ccgcccggg cagccaagct gctgcgctcg agggccatcc gtacgggctc 1440
179 ccgctggcca agaggacggc cagcttgacc ttccctccgc tgggcctcac agcgtccct 1500
180 acccgctcca gctgctggg agagagcccc agcctaccat cgccacccaa taggagctca 1560
181 tcccgccgcg agggcacgtg tgctgtgtgc ggggacaatg ctgcctgcca gactacgga 1620
182 gtccgcaact gcgaggctg caagggttc ttcaagagaa cgtgcagaa aaacgcaaaa 1680
183 tatgtttgct tggcaaataa aaactgccc gtagacaaga gacgtcgaaa tcgatgtcag 1740
184 tactgcaggt ttcagaagtg tctcagtgtc gggatggtga aggaagttgt gcgtacagat 1800
185 agtctgaaag ggaggagagg tcgtctgcct tccaaaccaa agagcccaact acaacaggag 1860
186 cctcgcagc cctccccacc atctcctccg atctgtatga tgaacgccct tgtccgagct 1920
187 ttaacagacg caacgcccag agacctgat tactccagat actgtccac cgaccaggcc 1980
188 actgcgggca cagacgctga gcacgtgcag cagttctaca accttctgac ggcctccatc 2040
189 gacgtgtcca gaagctggg agaaaagatc cccgattca ctgatctccc caaagaagat 2100
190 cagacgttac ttatagaatc agcctttttg gagctgttcg ttcttagact ttctatcagg 2160
191 tcaaactctg ctgaagataa gtttgtgttc tgcaatggac ttgtcctgca ccgacttcag 2220
192 tgccttcgcg gatttgggga gtggctcgac tccattaaag acttttcttt aaatttgag 2280
193 agcctgaacc ttgatatacca agccttagcc tgctgtcag cactgagtat gatcacagag 2340
194 cgacatgggt taaaagaacc aaagagagtg gaggagctat gcaacaagat cacaagcagc 2400
195 ttaaaggacc accagaggaa gggacaggct ctggagccct cagagcccaa ggtccttcgc 2460
196 gcactggtgg aactgaggaa gatctgcacc cagggcctcc agcgtatctt ctacctgaag 2520
197 ctggaggact tgggtgtccc accttctgtc atcgacaagc tcttcttga taccctgcct 2580
198 ttctgagcag gggaagcctg agcagagagc tacttgcct gctggcactg gtcattaagt 2640
199 gagcaaaagg atgggtttga acacgtgcc ctctatcctt cctccagggg aaaaagcagc 2700
200 tcccatagaa agcaaaagact ttttttttct ctggcacctt tccttacaac ctaaagccag 2760
201 aaaccttgca gattattgtg ttgggttgtt gttttatatt taggctttgg tgggtgggct 2820
202 gggagggggg aaaatagttc atgaggcttt tctaagaaat tgctgacgaa gcacttttgg 2880
203 atgatgctat cccagcagtg ggggtggggg aaaggataat ataactgttt taaaaactct 2940
204 ttccggggga atatgactat ggttgctttg tatttaaaaa taagaacagc caagggtgt 3000
205 ttaccaggg tagggctgtg tcttaagact gatcccttta gtatgtactt cccggtatcg 3060
206 ggcacataag tggtgcaaat gaggcgggga aattcttcat ttcttcatct ctttcttctt 3120
207 cttaaaataa aatggcaaaa aaaaaaagat ggaagattat ctacaaatca gacttagcaa 3180
208 aatgataatg gctattcgct tccacatata agtgcaattt tttagagtgc tgtcttacta 3240

```

## RAW SEQUENCE LISTING

DATE: 12/17/2001

PATENT APPLICATION: US/10/005,169

TIME: 13:21:34

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\12172001\J005169.raw

```

209 agtcttgttt gtgaactctc cctcatttta tatgaaaata agaaggaggc agtcatgtta 3300
210 tcaaacggcg tgctcatttt cctagctcac ccttggtcca cctgccctgt agaacccttc 3360
211 ggaggtatgg cccttctaag actttcaggc cactcttgat ggaattcgac acccctcccc 3420
212 tcaacccatg actatccaga tgcctgaat ggggatcagg ttataaaatg gattgcatat 3480
213 gactgtgttc gctgtgtgtt tgtcaacctg gacagagttc tctaaacctt ctttagttgt 3540
214 agcaagtcc tgattcctcc attcagaagc ccaaggagca ttgggtgact cgatcaaggg 3600
215 ttaaccctag gagaacatgc aaataagtag gaactgggtc agacagggtg agcaccagag 3660
216 atgataagga ttatatata aatatatata aaattaattt ttgttattgg ttatagacaa 3720
217 ttttgaaaag caagagaatc atctcttttt tttttttaa gaggaaaaga tagtattgat 3780
218 gtattagcaa agattagtgg ggtacggttc aacattccgt gtttggtgcc cttttctat 3840
219 gtttctactg ttgatggcat attattatga aatgattcgt tgcatagtgt cttattttgt 3900
220 atgaacattt gtatgcacgt tctattgtaa tcgctttgcc tgtattttatt gcaagaccac 3960
221 cagctcctgg aggctgagtt acagaataat caaatggggt gttcgtgggtg acttggtatc 4020
222 accggttaga aattaaataa gcatatatat atatataaaa acatagcagg ttacatatat 4080
223 atttataatg tgtcttttta ttaaccattt gtacaataaa tgtoacttcc cacgcagtta 4140
224 ttttatcctt tgtttgcagt gacctttaag gcagcactgt ttagcacttt gatatgaaat 4200
225 tttttgctta tttttttgct aaattcaaat aacgtttgaa gatttttagg tctaaaagtc 4260
226 tttatattat atacactgta tcaagtcaag atacctttgg ccgttttgct aagactcaaa 4320
227 ctttgaatgt caaaccaatg tcacggtagc ttctgttagc ttttaatcat ttttgcttta 4380
228 gtcttttttt ttaaaaaaaa                                4400

```

230 &lt;210&gt; SEQ ID NO: 4

231 &lt;211&gt; LENGTH: 628

232 &lt;212&gt; TYPE: PRT

233 &lt;213&gt; ORGANISM: Ratus norvegicus

235 &lt;400&gt; SEQUENCE: 4

```

236 Met Pro Cys Val Gln Ala Gln Tyr Ser Pro Ser Pro Pro Gly Ser Thr
237 1 5 10 15
238 Tyr Ala Thr Gln Thr Tyr Gly Ser Glu Tyr Thr Thr Glu Ile Met Asn
239 20 25 30
240 Pro Asp Tyr Ala Lys Leu Thr Met Asp Leu Gly Ser Thr Gly Ile Met
241 35 40 45
242 Ala Thr Ala Thr Thr Ser Leu Pro Ser Phe Ser Thr Phe Met Glu Gly
243 50 55 60
244 Tyr Pro Ser Ser Cys Glu Leu Lys Pro Ser Cys Leu Tyr Gln Met Pro
245 65 70 75 80
246 Pro Ser Gly Pro Arg Pro Leu Ile Lys Met Glu Glu Gly Arg Glu His
247 85 90 95
248 Gly Tyr His His His His His His His His His His His His His His
249 100 105 110
250 Gln Gln Gln Gln Pro Ser Ile Pro Pro Pro Ser Gly Pro Glu Asp Glu
251 115 120 125
252 Val Leu Pro Ser Thr Ser Met Tyr Phe Lys Gln Ser Pro Pro Ser Thr
253 130 135 140
254 Pro Thr Thr Pro Gly Phe Pro Pro Gln Ala Gly Ala Leu Trp Asp Asp
255 145 150 155 160
256 Glu Leu Pro Ser Ala Pro Gly Cys Ile Ala Pro Gly Pro Leu Leu Asp
257 165 170 175
258 Pro Gln Met Lys Ala Val Pro Pro Met Ala Ala Ala Arg Phe Pro
259 180 185 190

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/005,169

DATE: 12/17/2001

TIME: 13:21:35

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\12172001\J005169.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/005,169

DATE: 12/12/2001

TIME: 14:12:19

Input Set : A:\Sequence listing for submission.txt

Output Set: N:\CRF3\12112001\I005169.raw

Does Not Comply  
Corrected Diskette Needed

4 <110> APPLICANT: Guenther, Catherine  
 5 Allen, Keith D.  
 7 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING NOR1 GENE  
 8 DISRUPTIONS  
 10 <130> FILE REFERENCE: R-687  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/005,169  
 C--> 12 <141> CURRENT FILING DATE: 2001-12-04  
 12 <150> PRIOR APPLICATION NUMBER: US 60/251,794  
 13 <151> PRIOR FILING DATE: 2000-12-06  
 15 <150> PRIOR APPLICATION NUMBER: US 60/324,614  
 16 <151> PRIOR FILING DATE: 2001-09-24  
 18 <160> NUMBER OF SEQ ID NOS: 6  
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

332 <210> SEQ ID NO: 6  
 333 <211> LENGTH: 200  
 334 <212> TYPE: DNA  
 335 <213> ORGANISM: Artificial Sequence  
 337 <220> FEATURE:  
 338 <223> OTHER INFORMATION: Targeting Vector  
 340 <400> SEQUENCE: 6  
 341 ctttgatcaa gatggaagag gatcgcgagc atggctacca ccaccaccat caccatcacc 60  
 342 atcatcacca ccaccaccag caacagcagc cgtccattcc tcctccctcc ggccccgagg 120  
 343 acgagggtact gcccgacacc tccatgtact tcaagcagtc tccgcccgtct acaccgacca 180  
 344 ccccaggett cccccgcag 200  
 E--> 345 ① - delete



VERIFICATION SUMMARY

DATE: 12/12/2001

PATENT APPLICATION: US/10/005,169

TIME: 14:12:20

Input Set : A:\Sequence listing for submission.txt

Output Set: N:\CRF3\12112001\I005169.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:345 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:200 SEQ:6